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Journal of Pure and Applied Algebra 206 (2006) 1–2

JOURNAL OF PURE AND APPLIED ALGEBRA

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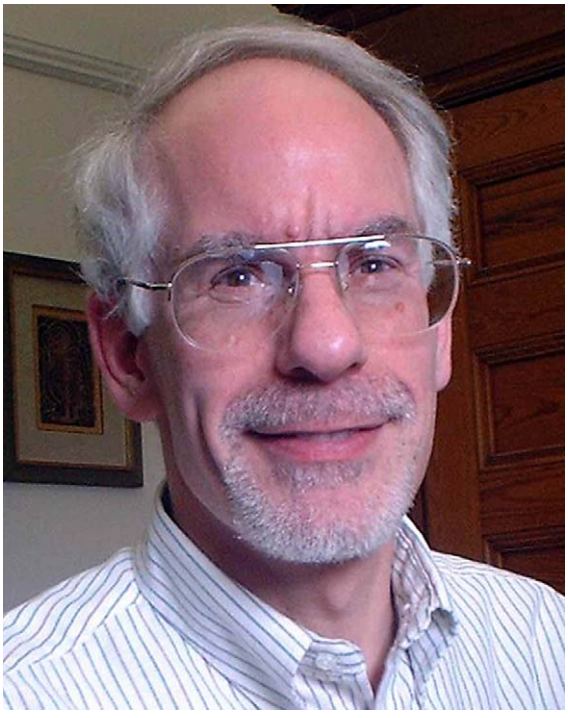
Preface



Eric Friedlander's influential study at the interface of algebraic geometry and algebraic topology began with his proof of the Adams' Conjecture and has frequently taken the form of the study of algebraic cycles and algebraic K-theory using topological methods. This work has led to significant calculations, invariants for algebraic varieties, and foundational results in algebraic topology. Friedlander has introduced cohomological and algebro-geometric points of view into the study of the representation theory of algebras related to algebraic groups which led to the proof of several long-standing conjectures. Much of Friedlander's work has been done in collaboration with a host of friends, including several of the editors of this volume.

0022-4049/$ - see front matter
doi:10.1016/j.jpaa.2005.11.014

Friedlander wrote his Ph.D. thesis under the direction of Michael Artin at M.I.T. He holds the Henry S. Noyes Chair at Northwestern University, has served (twice) as Chair of Mathematics and as Associate Dean of Science. He is active in affairs of the American Mathematical Society, serves on various editorial boards, and has organized numerous conferences in algebraic geometry, algebraic K-theory, and algebraic topology. Friedlander is a member of the American Academy of Arts and Sciences.

The conference "Algebraic cycles, K-theory and Modular Representation Theory" was organized by former students of Eric Friedlander and held at Northwestern University, in Evanston, IL, from September 16 to September 19, 2004, in honor of his 60th birthday. This conference brought together accomplished and aspiring researchers from the diverse disciplines in which Friedlander has worked. The papers included in this volume reflect the mathematics presented at the conference. The conference received generous support from the National Science Foundation, the National Security Agency, the Clay Mathematics Institute, and Northwestern University.

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